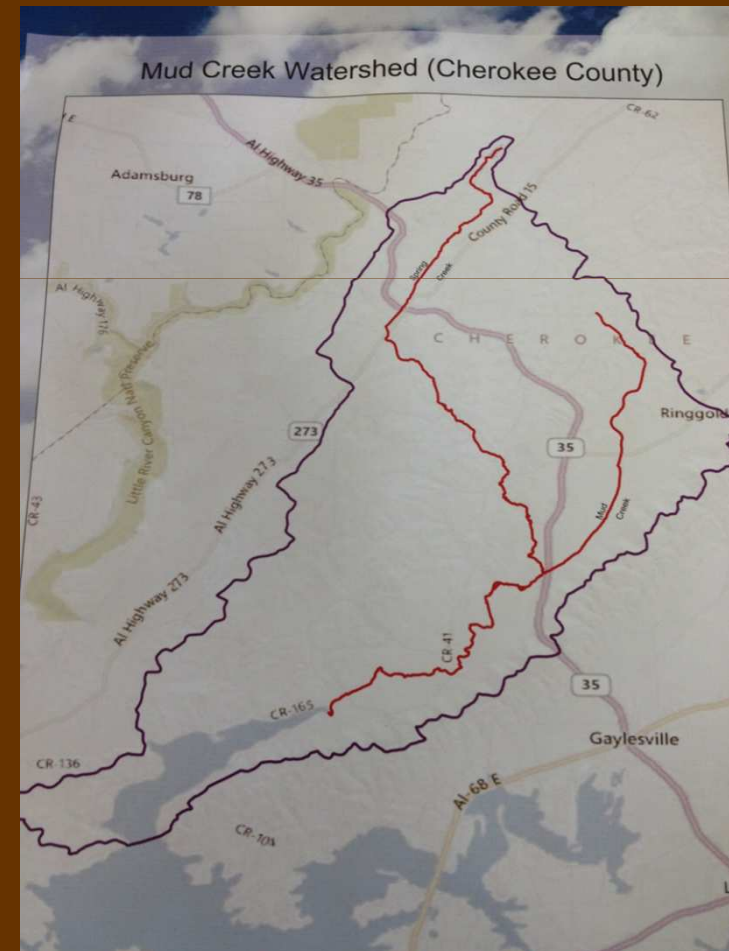


# *Environmental Stewardship in the Watershed*



*Landon Marks  
Alabama Cooperative Extension System  
Regional Extension Agent  
Animal Science and Forages*

# ENVIRONMENTAL STEWARDSHIP *clinics*



# Outline

- *Partnership*
- *Contract for Education Delivery*
- *Environmental Stewardship Clinics*
- *Environmental Stewardship Clinics Graduates*
- *Future Opportunities*



# Partnership



*Alabama A&M and Auburn Universities*



Soil and Water  
Conservation District

## *In the Beginning...*

*The Alabama Cooperative Extension System (ACES) partnered with the Alabama Department of Environmental Management (ADEM), Cherokee County Soil & Water Conservation District, and the Weiss Lake Improvement Association through a 319d Impaired Waterway Grant to host a pilot series of clinics designed to address watershed and land management needs and best management practices (BMPs) throughout Cherokee County, AL*

# *Budget*

- *\$3,000 from 319d grant for education*
- *\$1,000 from Weiss Lake Improvement Association*
- *In kind- Hosts providing space and refreshments*

# *Environmental Stewardship Clinics*

*Six Clinics to address watershed improvement*

- 1. Introduction to Water Resources*
- 2. Soil Management for Healthy Water*
- 3. Managing Streamside Forests for Wildlife, Livestock, and Water Health*
- 4. Grass Management for Water Health*
- 5. Farm Pond Management*
- 6. Smart Yards for Healthy Water*

*The series consisted of monthly, 2-hour workshops from January - June 2013 at varied locations throughout Cherokee County, Alabama*

# Advertising

- *Weiss Radio*
- *Continuing Education Opportunities*
- *Partner Webpages/Newsletters*
- *Brochures/Flyers*
- *Newspaper*

### 2013 Environmental Stewardship Clinics

*For everyone concerned with healthy water & land management*

**Registration Form**

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone (home) \_\_\_\_\_ (alternative phone) \_\_\_\_\_  
 Email \_\_\_\_\_  
 Clinic(s) attending \_\_\_\_\_

Mail or bring registration to 1528 Cheatum Ryland Center, AL 35960. Call (256) 927-3250 with questions.

*Clinic locations will vary throughout Cherokee County. Please pre-register or call for locations and directions.*

**Extension**

**Cherokee County Extension Office**  
 (256) 927-3250  
 web@ccext.org

**Norm Haley**  
 (256) 946-6388  
 web@normhaley.com

**Cherokee County Extension Office**  
 (256) 927-3250

**Pre-registering is encouraged**

### Registration

The clinics are **FREE** for anyone wanting to attend and materials included with clinic are:

- Resource Notebook
- Certificate for Completion (3 clinics req.)
- Yard/Gate Sign (3 clinics req.)
- T-shirt (6th clinic)

**Attend 3 clinics and receive an Environmental Steward Yard/Gate Sign**

If you need special accommodations or have questions, please call:  
**Cherokee County Extension Office**  
 (256) 927-3250

**Pre-registering is encouraged**

### Speakers

**Dr. Eva Brantley**—Extension Specialist  
 Auburn University

**Kent Stanford**—Extension Specialist  
 Auburn University

**Dr. Jennifer Johnson**—Extension Specialist  
 Auburn University

**Norm Haley**—Regional Extension Agent

**Chris Becker**—Regional Extension Agent

### Classroom and Hands-on Demonstrations

### Clinic Agenda

**Jan. 15**  
 1) Introduction to Water Resources

**Feb. 5**  
 2) Soil Management for Healthy Water

**Mar. 5**  
 3) Managing Stream Side Forests for Wildlife, Livestock, and Water Health

**Apr. 16**  
 4) Grass Management for Healthy Water

**May 14**  
 5) Farm Pond Management

**June 1**  
 6) Smart Yards for Healthy Water (Saturday)

**Morning Clinics**  
**9:00am — 11:00 am**

# *Introduction to Water Resources*



## *Topics Covered:*

- *Water- Local and Global Resource*
- *Watersheds as a Framework*
- *Soil, Plant, and Water Balance*
- *Potential for Pollution*
- *Solutions for Pollution*
- *Water Activity*



## *Impacts:*

*Economic Impact Average:  
\$6,461.88*

*Knowledge increase: 24%*

*Adoption Potential: 92%*

# *Soil Management for Healthy Water*

## *Topics Covered:*

- *Introduction to host Pine Tree Nursery*
- *Soil Composition*
- *Nutrient Management*
- *Soil Testing*
- *Erosion*

## *Impacts:*

*Economic Impact Average:  
\$268.75*

*Knowledge increase: 22%*

*Adoption Potential: 89%*



# *Managing Streamside Forests for Wildlife, Livestock and Water Health*

## *Topics Covered:*

- *Riparian Buffers*
- *Stream Health*
- *Native Plants Live Staking*
- *Water flow*
- *Erosion*
- *Livestock Crossing*

## *Impacts:*

*Economic Impact Average:  
\$458.00*

*Knowledge increase: 10%*

*Adoption Potential: 90%*



# Grass Management for Healthy Water



## Topics Covered:

- Establishing appropriate grasses
- Managing new and existing stands
- Proper mowing/clipping
- Nutrient management
- Root structures and health
- Water PH testing activity

## Impacts:

*Economic Impact Average:  
\$300.00*

*Knowledge increase: 11.4%*

*Adoption Potential: 100%*



# Farm Pond Management



## Topics Covered:

- Pond Management
- Nutrient Management
- Alternative Water Sources
- Fish Species Identification
- Stocking Rates
- Pond Weed Management
- Dam Management
- Water Testing

## Impacts:

Economic Impact Average:  
\$384.38

Knowledge increase: 29.2%

Adoption Potential: 87.2%

# Smart Yards for Healthy Water

## Topics Covered:

- Landscaping
- Nutrient Management
- Riparian Buffers
- Pruning
- Planting
- Rainwater Harvesting
- Soil Health

## Impacts:

*Economic Impact Average:  
\$421.88*

*Knowledge increase: 28.4%*

*Adoption Potential: 91.2%*



# Graduates

*Participants were required to attend 3 clinics to receive:*

- *Yard/Gate Sign*
- *Certificate of Completion*
- *T-Shirt*



# *Future Opportunities*

- *Continued partnership with ACES for education delivery*
- *Implementation of clinics in other impaired watersheds*
- *Interest of additional clinics in Cherokee County*



Do your part in removing  
Chinese Privet

# Questions